

PB reader

SDC

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 1015291169  
Source: PCT  
Date Processed by STIC: 1-13-06

**ENTERED**



PCT

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/529,169**

**DATE: 01/13/2006**  
**TIME: 11:13:38**

**Input Set : A:\pto.da.txt**  
**Output Set: N:\CRF4\01132006\J529169.raw**

```

4 <110> APPLICANT: LEE, Young-Min
6 <120> TITLE OF INVENTION: Novel full-length genomic RNA for Japanese encephalitis
virus and
7      infectious
8      JEV cDNA therefrom
10 <130> FILE REFERENCE: 2p-07-10B
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/529,169
C--> 12 <141> CURRENT FILING DATE: 2005-03-24
12 <160> NUMBER OF SEQ ID NOS: 48
14 <170> SOFTWARE: KopatentIn 1.71
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 18
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: primer J7, complementary to nt 3986-4003 of the JEV genome
25 <400> SEQUENCE: 1
26 agcgctaaga ctggcatg                                         18
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 28
31 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: primer J8, complementary to nt 1-18 of the JEV genome
38 <400> SEQUENCE: 2
39 gatcggaccg agaagtttat ctgtgtga                                         28
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 21
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: primer J6, complementary to nt 3845-3865 of the JEV genome
51 <400> SEQUENCE: 3
52 gccccttagga ccagaaccac g                                         21
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 21
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: primer J4, complementary to nt 8150-8170 of the JEV genome
64 <400> SEQUENCE: 4
65 aggacgcgta gtgtgcgttg t                                         21
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 18

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/529,169

DATE: 01/13/2006  
TIME: 11:13:38

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\01132006\J529169.raw

```

70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: primer J20, complementary to nt 3266-3283 of the JEV genome
77 <400> SEQUENCE: 5
78 aaaccaggga ccttggga 18
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 21
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: primer J1, complementary to nt 10947-10967 of the JEV genome
90 <400> SEQUENCE: 6
91 gatcctgtgt tcttcctcac c 21
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 27
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: primer J12, complementary to nt 7565-7582 of the JEV genome
103 <400> SEQUENCE: 7
104 gatcgacccg aattccacca cagccac 27
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 24
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: primer J2, complementary to nt 10870-10893 of the JEV genome
116 <400> SEQUENCE: 8
117 agaagatctc ccagtctatt cccca 24
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 10818
122 <212> TYPE: DNA
123 <213> ORGANISM: Japanese encephalitis virus
125 <400> SEQUENCE: 9
126 agagattagt gcagttaaa cagttttta gaacggaaga taaccatgac taaaaaacca 60
128 ggagggcccc gtaaaaaccg ggctatcaat atgctgaaac gcccctacc ccgcgtattc 120
130 ccactagtgg gagtgaagag ggttagtaatg agcttgtgg acggcagagg accagtacgt 180
132 ttctgtctgg ctcttatcac gttcttcaag tttacagcat tagcccccac caaggcgctt 240
134 tttaggccat ggaaacgcgt ggaaaagaggt gtggcaatga aacatcttac tagttcaaa 300
136 cgagaacttg gaacactcat tgacgccgtg aacaagcggg gcagaaaagca aaacaaaaga 360
138 ggagggaaatg aaggctcaat catgtggctc gcgcgtttgg cagttgtcat agcttgtgt 420
140 ggagccatga agttgtcaaa tttccaaggg aagctttga tgaccattaa caacacggac 480
142 attgcagacg tcatctgtat tcctacctca aaaggagaga acagatgtg ggtccggca 540
144 atcgatgtcg gctacatgtg tgaggacact atcacgtacg aatgtcccaa gcttaccatg 600
146 ggcaatgtac cagaggatgt ggattgtgg tgtgacaacc aagaagtcta cgtccaatat 660
148 ggacgggtgca cgcggaccag gcattccaag cgaagcagga ggtccgtgtc ggtccaaaca 720
150 catggggaga gttcaactgt gaataaaaaa gaggttggc tggattcaac gaaagccaca 780
152 cgatatctca tgaaaaactga gaactggatc ataaggaatc ctggctatgc tttcctggcg 840

```

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/529,169**

**DATE: 01/13/2006**  
**TIME: 11:13:38**

**Input Set : A:\pto.da.txt**  
**Output Set: N:\CRF4\01132006\J529169.raw**

154	gcggtaacttgcgtggatgctttggcagtaaacaatggtaacacgcgtgggttttaccatccctc	900
156	ctgctgttggtcgctccggcttacagtttttattgtctgggaatgggcaaccgtgacttc	960
158	atagaaggagccagtgagccacttgggttgacttagtgc tagaaggaga tagctgttttgc	1020
160	acaatcatggcaaacgacaaaccAACATGgacgtccgca tgattaacat cgaaggccagc	1080
162	caacttgcttaggtcagaagctattgttatcatgtttcgatcactgacatctcgacgggt	1140
164	gctcggtgccccacccggaaagggccac aacgagaagcgagctgatagtagctatgtg	1200
166	tgcaaacaaggttcaactgatcggtgggtggcaacggatgtggactttt cgggaaaggga	1260
168	agcattgaca catgtgcaaaattctcctgc accagtaaggcgattgggagaaacaatccag	1320
170	ccagaaaaca tcaaatacga agttggcatttttgtcatggaaccaccacctcgaaaac	1380
172	catggaaatttattcagcgca agtagggggcg tcccaggccgcaaaagtttac agtaacaccc	1440
174	aatgctccttcgataaccctcaaacttggtgactacggagaaagtcacactggactgtgaa	1500
176	ccaaggagtggactgaacac tgaagcgtttacgtcatgacgtgggtcaagtcattt	1560
178	ctggccata gggaaatggtttcatgacccctcgtctccctggacgtcccccttcgagcaca	1620
180	gcgtggagaa acagagaact cctcatggaa tttaagaggcgacacggaaaatgtcc	1680
182	gttggcttcgttgggtcaca ggaaggaggcctccatcaggcgctggcaggagccatcg	1740
184	gtggagactactaagtcgttgaagttaca tcaggccacc ttggaaatgtgttttttttt	1800
186	gacaaactggctctgaaaggcacaacccatggcatgttgcagaaaaatttctgtcg	1860
188	aaaaatccggcgacactggccacggaaacttggtgcatttgcactcttcatttggagtt	1920
190	gatggcccttcgaaaattccgattgtcttgcgagcc tcaatgacatgaccccggtt	1980
192	gggcggcttggacagtgaa ccccttcgtgcgacttccatgttgcgaaacttgcgtt	2040
194	gtcgagatggaaacccttccggagactcc tacatcgtagttggaaaggggagacaaggc	2100
196	atcaaccaccattggcataaaagctggaaacacgtggacacgcgtggcaaggcttttcaacttttgc	2160
198	aaggagctcaagactggc acgttgggc gacacacgccttggacttttgcattatgg	2220
200	ggggtcttcaactccataggaaaggccgtt caccatgttttgggtggccttccagaaca	2280
202	ctctttggggaaatgtcttgcgttgcacacaaagggttacgggtccctactactctggatg	2340
204	ggcatcaacgcacgatcgatcaattgttttgcgttgcatttgcacaggagggtgtgt	2400
206	gtttcttagcgaccaatgtgtcatgttgcacttggatgttgcattgacatcgacggaaaa	2460
208	gagatgagatgcggaaatggcatcttcgttgcacacgcgttggaaaggcttggatagg	2520
210	tataaatatttgccagaaacgccagatccatgtcgaaatcgatccatgtccacaaagcgcacaag	2580
212	gaaggcgtgtcgagatcgatctgtcaacttgcgttgcacatggagcaccatgttgcgttgc	2640
214	cgggacgaat tgaacgttccgttgcacaaatggcatgttgcgttgcacatgttgcgttgc	2700
216	aagccctggggatgtatcgctcagccccaaacgcgttgcgttgcacatgttgcgttgc	2760
218	gaaatgggtggaaatggcatggggaaaatggatttgcatttgcatttgcgttgcgttgc	2820
220	acatttggtttgcgttgcatttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	2880
222	agcatgcaaaatcgaaatggacttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	2940
224	agagagggaaaatcgactgtgtgtatggatgtgtatggatgtgtatggatgtgtatgg	3000
226	gtggcagttcatgtgtacttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	3060
228	tttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	3120
230	tggggagatgtgtgtatggatgtgtatggatgtgtatggatgtgtatggatgtgtatgg	3180
232	agcaagcacaatcgagggatgggtacaaaacacaaaaccatggatgttgcgttgcgttgcgttgc	3240
234	ggcatagtcttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	3300
236	ggcaagagagatggatgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	3360
238	tgcgtcgatgtgtatggatgtgtatggatgtgtatggatgtgtatggatgtgtatggatgtgtatgg	3420
240	ggaatggaaaatcgacatgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	3480
242	gtttcaatgtgtgtatggatgtgtatggatgtgtatggatgtgtatggatgtgtatggatgtgtatgg	3540
244	acccaggaggatggatgtgtatggatgtgtatggatgtgtatggatgtgtatggatgtgtatggatgtgtatgg	3600
246	gcccgtcttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	3660
248	ctagtcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	3720
250	attggccgtttttaagatccaaatcgatgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc	3780

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/529,169**

**DATE: 01/13/2006**  
**TIME: 11:13:38**

**Input Set : A:\pto.da.txt**  
**Output Set: N:\CRF4\01132006\J529169.raw**

252	acgaaccaag	aaaacgtgg	cctggcc	tggcgtgc	tttcaatt	ggcctcaga	3840
254	gatctgaaa	tcggagtcca	cgaaatcctg	aatggccccc	ctatagcatg	gatgattgtt	3900
256	cgagcgatca	ccttccccac	aacctcctcc	gtcaccatgc	cagtcttagc	gcttctaact	3960
258	ccgggaatga	gggctctata	cctagacact	tacagaatca	tccttctcgt	catagggatt	4020
260	tgctccctgc	tgcaagagag	aaaaaaagacc	atggcaaaaa	agaaaggagc	tgtactctt	4080
262	ggcttagcgc	tcacatccac	ttggatggttc	tcgcccacca	ccatagctgc	tggacttatg	4140
264	gtctgcaacc	caaacaagaa	gagagggtgg	ccagctactg	agtttctgtc	ggcagtcgga	4200
266	ttgatgttt	ccatcgtagg	ttgtttggcc	gagttggata	ttgaatccat	gtcaataccc	4260
268	ttcatgctgg	caggctttat	ggcagtgtcc	tacgtatgt	caggaaaagc	aacagatatg	4320
270	tggctcgAAC	gggcccggca	catcagctgg	gagatggatg	ctgcaatcac	aggaagcagt	4380
272	cgaggcgtgg	atgtgaaact	ggatgtatgc	ggagatttc	acttgattga	tgatcccggc	4440
274	gttccatgga	aagttgggt	tttgcgcatg	tcttcatttgc	gttttagccgc	cctcaccgc	4500
276	tgggccattt	ttcccccgc	tttcggttac	tggctactt	taaaaaacaac	aaaaagaggg	4560
278	ggcgtgttt	gggacacgccc	atccccgaaa	ccttgcattaa	aaggagacac	cactacagga	4620
280	gtctaccgaa	tcatggctag	agggattttt	ggcacctacc	aggctggcgt	cgagatcatg	4680
282	tacgagaatg	tttccacac	actatggcac	acaactatgg	gggcagccat	tatgagtgg	4740
284	gaaggaaaaat	tgacgcccata	ctggggtagc	gtgaaagaag	accgcatacg	ttacggaggc	4800
286	ccatggagat	ttgatcgaaa	atggaatgg	acagatgcg	tgcaagtgtat	cgtggtagaa	4860
288	ccggggaaagg	ctgcgttaaa	catccagaca	aaaccaggag	tttttcgac	cccttcggg	4920
290	gagggtgggg	ctgttagcct	ggattaccgc	cgagaaacat	ccggctcacc	cattctggat	4980
292	tccaatggag	acatcatagg	cttatacggc	aatggatgtt	agcttggcga	tggctcatac	5040
294	gtcagcgcca	tcgtgcaggg	tgaccgtcag	gaggaaccag	tcccagaacg	ttacactcca	5100
296	aacatgttAA	gaaagagaca	gatgactgtg	ttagatttgc	accctggttc	aggaaaaacc	5160
298	aggaaaatttC	tgccacaaat	aattaaggat	gcaatccagc	agcccttaag	aacagctgt	5220
300	ttggcaccga	cgcgggtgg	agcagcagaa	atggcagaag	ctttgagagg	gctcccagta	5280
302	cgataccaaa	tttcagcagt	gcagagagag	caccaaggaa	atgaaatagt	ggatgtatg	5340
304	tgccacgcca	ctctgaccca	cagattgtat	tcaccgaaca	gagtgcacaa	ctacaatcta	5400
306	tttgtcatgg	atgaagctca	tttcaccgc	ccagccagca	tagccgcacg	aggatacatc	5460
308	gttaccaagg	ttgaaattagg	agaggcagca	gccatcttta	tgacagcgcac	ccgccttgg	5520
310	accacggatc	ctttcccga	ctcaaatg	ccatccatg	atttacaaga	tgagatacca	5580
312	gacagggcat	ggagcagtgg	atacgaatgg	atcacagaa	atgcggtaa	aaccgtgtgg	5640
314	tttgtggcga	gcgtaaaaat	ggggatgag	attgcaatgt	gcctccaaag	agcgggaaaa	5700
316	aaggatcatcc	aactcaaccc	caagtccat	gacacagaa	acccaaaatg	taagaatgg	5760
318	gactgggatt	ttgtcattac	caccgacatc	tctgaaatgg	gggctaaactt	cggtgcgagc	5820
320	agggtcatcg	actgcagaaa	gagcgtggaa	cccaccatct	tagaagaggg	agaaggcaga	5880
322	gtcatcctcg	gaaaccatc	tcccataacc	agtgttagc	cagctcaacg	gagggcaga	5940
324	gtaggcagaa	accccaacca	agttggagat	gaataccatt	atggaggggc	taccagtgaa	6000
326	gatgacagta	acctagccca	ttggacagag	gcaaagatca	tttttagacaa	catacacatg	6060
328	cccaatgggc	ttgtggccca	gctctatgg	ccagagaggg	aaaaggctt	cacaatggat	6120
330	ggcgaatacc	gtctcagggg	tgaagaaaa	aaaaacttct	tagactgt	taggacggct	6180
332	gaccccccgg	tgtggctggc	ctataagg	gcgtccaaatg	gcattcagta	caccgacaga	6240
334	aagtgggtt	ttgatggggc	gcgcacgaat	gccatactgg	aggacaacac	cgaggttagag	6300
336	atagtcaccc	ggatgggtga	gagaaagatc	ctcaagccga	gtggcttga	tgcaagagta	6360
338	tacgcagatc	accaaggcc	caagtggttc	aaagactttg	cagcggaaa	gagatcgccc	6420
340	gttagcttca	tagaggtgt	cggtgc	cctgagcatt	tcatggaaa	gacgcgggaa	6480
342	gttttagaca	ccatgtactt	ggtcgc	aacccatcac	ttattgttgc	catcaatgt	6540
344	gtctcgaaag	agttgccgg	tgcactgg	accatcacac	ttattgttgc	catcaatgt	6600
346	atgacaggag	gattttccct	actaatgt	cagcggaaagg	gtataggaa	gatgggtctt	6660
348	ggagctctag	tgctcacg	agctacc	ttccctgtgg	cggcagaggt	tcctggaaacc	6720

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/529,169**

**DATE: 01/13/2006**  
**TIME: 11:13:38**

**Input Set : A:\pto.da.txt**  
**Output Set: N:\CRF4\01132006\J529169.raw**

350	aaaatagcag ggaccctgct gatgccctg ctgctgatgg tggttctcat cccagaaccg	6780
352	aaaaaacaga ggtcacagac agacaaccaa cttagcggtt ttctcatctg cgtcttgacc	6840
354	gtggttggag tggcgcgcgaa acacgactac gggatgctag aaaaaaccaa agcagatctc	6900
356	aagagcatgt ttggcgaaa gacacaggca tcagactga ctggattgcc aagcatggca	6960
358	ctggacctgc gtccagccac agcctggca ctgtatgggg ggagcacagt tgtgctaacc	7020
360	cctcttctga agcacctgat cacgtcgaa tatgtcacca catcgctagc ctcaattaac	7080
362	tcacaagctg gtcattatt cgtcttgcca cgaggcgtgc ctttcaccga tctagacctg	7140
364	accgttggcc tcgttccct tggctgctgg ggtcaaatca ccctcacaac gttttgaca	7200
366	gcccattttc tggcgacact tcactatggg tacatgctcc ctggatggca agcagaagca	7260
368	ctcaggcgtg cccagagaag gacggcggt ggaataatga agaatgcgt tggacggaa	7320
370	atggtcgcca ctgatgtgcc tgaactggaa aggactactc ctctgatgca aaagaaagtgc	7380
372	ggacaggtgc tcctcatagg ggtgagcgtg gcagcgttc tcgtcaacccc taatgtcacc	7440
374	actgtgagag aagcagggtt gttggtaacg gcggtacgc tcaccttgc ggataatggaa	7500
376	gcccattttc tttggattt caccacagcc acggactct cccatgtcat gcgaggtagc	7560
378	tacctggctg gaggtctat tgcttggact cttatcaaga acgctgacaa gccctccttgc	7620
380	aaaaggggaa ggcctgggg caggacgcta ggggagcgt ggaaggaaaa actaaatgcc	7680
382	atgagcagag aaggttttt taaataccgg agagaggcca taatcgaggt ggaccgcact	7740
384	gaagcacgca gggctagacg taaaataac atagtggag gacatccgtt ttcgcgaggc	7800
386	tcagcaaaac tccgtggct cgtggagaaa ggattcgtct cgccaaatagg aaaagtctt	7860
388	gatctagggt gtggcggtt aggatggagc tactacgcg caaccctgaa gaaggtccag	7920
390	gaagtccagag gatacacgaa aggtggggcg ggacatgaag agccgtatgt catcgagac	7980
392	tacggctgga acctggctc cttgaagagt ggagtggatg tggttctacaa accttcagag	8040
394	cctagtgaca ccctgttctg tgacataggg gaatccccc caagtccaga agtggaaagaa	8100
396	caacgcacac tacgtgttccct agagatgaca tccgattggg tgcatcgagg acccagagag	8160
398	ttctgcataa aagttctctg cccttacatg cccaaaggta tagaaaaaat ggaagttctg	8220
400	cagcgccgt tcggagggtt gctagtagt ctccccctgt cccgaaactc caatcacgag	8280
402	atgtattggg ttagtggagc cgctggcaat gtggtgacag ctgtgaacat gaccagccag	8340
404	gtactactgg ggcgaatggc tcgcacagt tggagaggc caaagtatga ggaagatgtc	8400
406	aaccttaggtt gcgaaacaag agccgtggaa aaggagaaat ttcatagcaa tcaggagaaaa	8460
408	atcaagaaga gaatccagaa gttaaagaa gaatcgcca caacgtggca caaagaccct	8520
410	gaacacccat accgacttg gacataccac ggaagctatg aggtgaaggc tactggctca	8580
412	gcccagcttc tcgtcaacgg agtggtaag ctcatgagta aaccttggga cgccattgcc	8640
414	aacgtccacca ccatggccat gactgacacc acccctttt gacagcaaag agtttcaag	8700
416	gagaaagttt acacgaaagc ccctgagcca ccagctggag tcaaggaagt gctcaacgag	8760
418	accaccaact ggctgtggc ccacttgtca cggggaaaaaa gaccggcgtt gtgcaccaag	8820
420	gaagaatttta taaagaaagt caatagcaac gcggtcttgc gggcgttgc gggcgttgc	8880
422	aatcaatggc gcacggcgcg tgaggctgtg gacgaccgcg gttttggaa gatggtaat	8940
424	gaagagaggg aaaaccatct gcgaggagag tgtcacaat gttatctacaa catgtggga	9000
426	aaaagagaga agaaggctgg agatggtaaa agactaaat ggaggcaggc catttggttc	9060
428	atgtggctt gggcgttgc tctagagtt gaagttttgg gtttctgaa tgaagaccac	9120
430	tggctgagcc gagagaattt aggagggtt gtagaaggct caggcgttca aaagttggaa	9180
432	tacatccctc gtgacatagc aggaaagcaa ggaggaaaaa tggatgtca tgacaccgc	9240
434	gggtggaca ctagaattac tagaactgtat ttagaaaaat aagctaaagg gctggagctc	9300
436	ctagatgggtt aacaccgcatt gtcggcccg gccatattt aactgactta caggcacaaa	9360
438	gtggcaagg tcatgagacc tgcagcagaa gggaaagaccg tgatggacgt gatataaga	9420
440	gaagacccaaa gggggagggtt acagggtggc acttatgtcc tcaacactt cacgaacatc	9480
442	gctgtccagc tcgttaggtt gatggaggtt gagggggta ttggccaca acacttggaa	9540
444	cagctgccta ggaaaaacaa gatagctgtc aggacttggc tctttgagaa tggagaggag	9600
446	agagtgacca ggtatggcgat cagcggagac gactgtgtcg tcaagccgtt ggacgacaga	9660

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/529,169

DATE: 01/13/2006

TIME: 11:13:39

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\01132006\J529169.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date